

B. POLICY

The management policy of the Atlantic Richfield Hanford Company (ARHCO) regarding criticality prevention in facilities designed to process, transport, and store fissile materials is defined in a series of policy guides and operating instructions that delineates policy, responsible personnel and the appropriate authority necessary to assure compliance with the policy. The policy for criticality prevention is that, in all of its activities involving fissionable materials, ARHCO shall exercise control such that the probability of a criticality incident is held at the lowest practical level. Where practicable, the design of manufacturing and laboratory facilities and equipment handling fissionable materials will include geometric limitations to minimize the probability of a criticality incident. In addition, there will be a criticality prevention system based on written specifications and implemented by written administrative procedures. The specifications will establish limits so that no single credible equipment failure or human error can cause a criticality incident. The written specifications will define limits in practical and administratively controllable terms. Appropriate personnel training and enforcement assure understanding of the specifications and appropriate use of the administrative procedures. Table B.1 shows the responsibilities and relationships for criticality control and Figure B.1 shows the path for criticality prevention specification development approval and auditing within ARHCO.